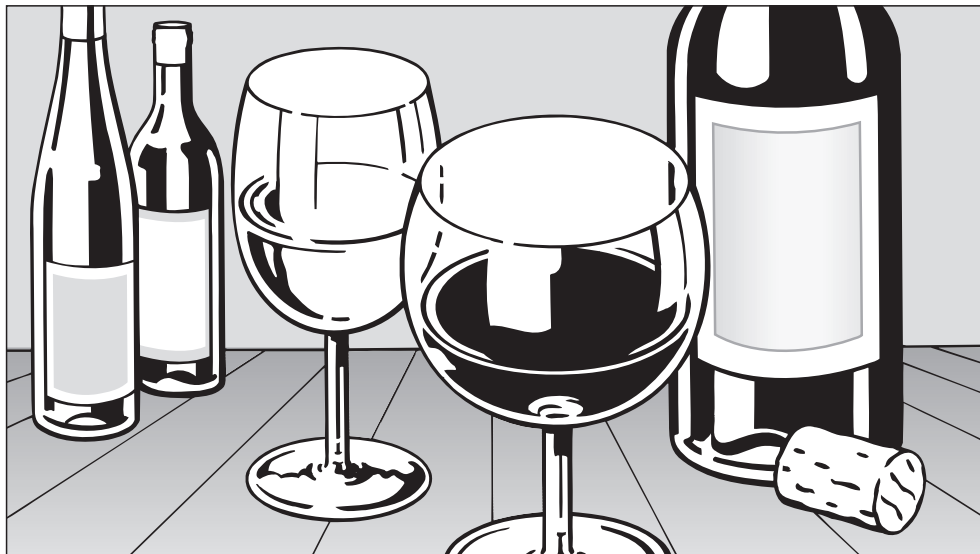


Operating and installation instructions



Wine storage unit

KWL 1090 S

KWL 1630 S

KWL 1900 S

It is **essential** to read these operating instructions before installing or using the machine, to avoid the risk of accident or damage to the machine.

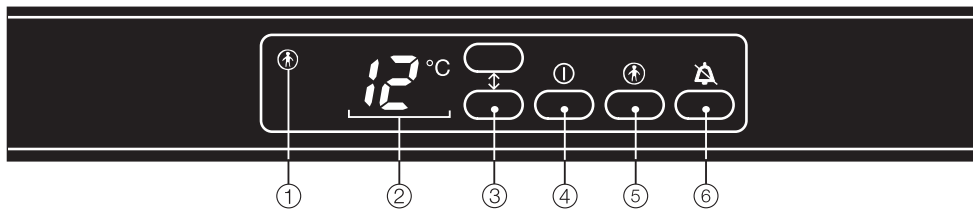


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Description of the appliance



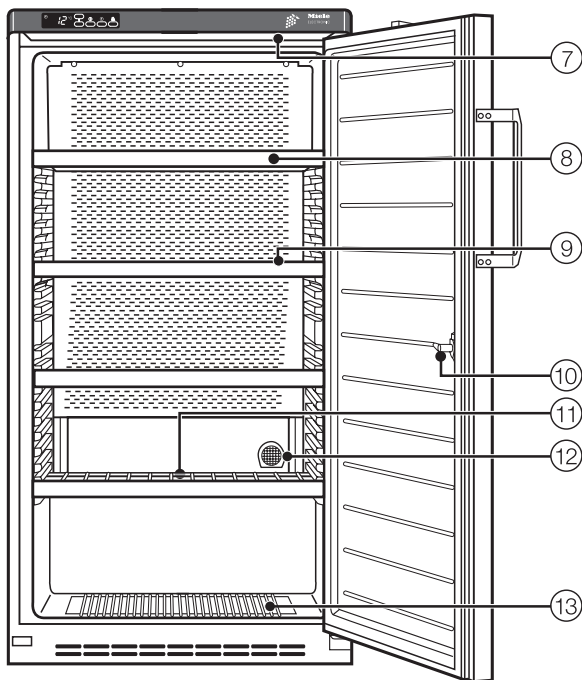
- ① Safety lock indicator light

② Temperature display

③ Controls for setting the temperature
upper button: warmer
lower button: colder
- ④ On/Off button

⑤ Locking button

⑥ Alarm button



- ⑦ Interior lighting

⑧ Wooden décor strip for descriptive labels

⑨ Shelves

⑩ Lock
- ⑪ Condensate channel and drain hole

⑫ Active charcoal filter

⑬ Grille (secured to one of the shelves during transportation)

Disposal of the packing material

The transport and protective packing has been selected from materials which are environmentally friendly for disposal and can normally be recycled.

Rather than just throwing these materials away, please ensure they are offered for recycling.

Ensure that any plastic wrappings, bags etc. are disposed of safely and kept out of the reach of babies and young children. Danger of suffocation!

Disposal of your old appliance

Old appliances contain materials which can be reclaimed or recycled. Please contact your dealer, your waste collection centre or scrap merchant about potential recycling schemes.

Make sure that the pipework is not damaged whilst moving an old appliance. This is to ensure that the refrigerant and oil in the compressor cannot leak into the environment. It is important that they are disposed of in a safe manner by authorised persons only.

Ensure that the appliance presents no danger to children while being stored for disposal.

See the appropriate section in the Warning and safety instructions.

Warning and safety instructions

This appliance complies with all relevant legal safety requirements. Improper use of the appliance can, however, present a risk of both personal injury and material damage.

Before installation and before using for the first time, read the operating instructions carefully. They contain important notes on safety, the operation and care of the appliance. This way you will avoid the risk of accidents and damage to the appliance.

Keep these instructions in a safe place and pass them on to any future user.

Correct usage

■ This appliance is intended for domestic use only for storing wine. Any other usage is not supported by the manufacturer and could be dangerous. The manufacturer cannot be held responsible for damage caused by improper use of the appliance.

Technical safety

■ This appliance contains the coolant Isobutane (R600a), a gas which breaks down naturally. It is however flammable. Care must be taken during transportation and setting up of the appliance that no parts of the cooling system are damaged. Leaking refrigerant can damage the eyes.

In the event of refrigerant escaping:

- avoid open fires
and anything which creates a spark,
- disconnect from the mains,
- air the room in which the appliance is located for several minutes and
- contact the Service Department.
for advice.

■ The more refrigerant there is in an appliance the larger the room it should be installed in. In the event of a leakage, if the appliance is in a small room, there is the danger of combustible gases building up. For every 8 g of coolant at least 1 m³ room space is required. The amount of coolant in the appliance is stated on the data plate inside the appliance.

■ Before connecting the appliance to the mains supply, make sure that the rating on the data plate corresponds to the voltage and frequency of the household supply.

This data must correspond in order to avoid risk of damage to the appliance. If in any doubt, consult a qualified electrician.

Warning and safety instructions

■ The electrical safety of this appliance can only be guaranteed when continuity is complete between the appliance and an effective earthing system which complies with local and national safety regulations. It is most important that this basic safety requirement is tested by a qualified electrician.

The manufacturer cannot be held responsible for the consequences of an inadequate earthing system (e.g. electric shock).

■ Safe operation of the appliance is only assured if it has been installed and connected in accordance with these operating and installation instructions.

■ Installation work, maintenance and repairs may only be carried out by suitably qualified and competent persons.

Repairs and other work by unqualified persons could be dangerous and the manufacturer will not be held responsible.

■ The appliance is only completely isolated from the electricity supply when:

- the plug has been withdrawn.
Do not pull on the cable, only on the plug.
- the mains fuse is withdrawn, or
- the screw-out fuse is removed in countries where this is applicable.

■ Do not connect the appliance to the mains electricity supply by an extension lead.

Extension leads do not guarantee the required safety of the appliance. (e.g. danger of overheating).

Use

■ Never store explosive materials in the appliance.

Switching on thermostats may produce sparks which could present a fire hazard.

■ Do not use any grease or oil on the door seals. These cause the seals to become porous in the course of time.

■ Do not block the ventilation gap in the appliance as this would impair the efficiency of the appliance, increase the electricity consumption and could cause damage to the appliance.

■ The appliance is designed for use within certain climate ranges (ambient temperatures). It must not be used in ranges for which it is not designed. The climate range for your appliance is stated on the data plate inside the appliance. Installing it in a room with too low an ambient temperature will lead to the appliance switching off for longer periods so that it cannot maintain the required temperature.

■ Never use steam cleaning apparatus to defrost or clean the appliance. The steam could attack the electrical components and cause a short circuit.

Warning and safety instructions

■ In countries where there are areas which may be subject to infestation by cockroaches or other vermin, pay particular attention to keeping the appliance and its surroundings in a clean condition at all times. Any damage which may be caused by cockroaches or other vermin will not be covered by the appliance guarantee.

Disposal of old appliances

■ Before disposing of an old appliance first make the door latch or lock unusable.

This way you will prevent children from accidentally locking themselves in and endangering their lives.

■ Before disposing of an old appliance, unplug it and render the plug useless. Cut off the cable directly behind the appliance and at the plug to prevent misuse.

■ Be careful not to damage any part of the pipework whilst awaiting disposal, e.g. by

- puncturing the refrigerant channels in the evaporator.
- bending any pipework.
- scratching the surface coating.

Splashes of refrigerant can damage the eyes.

The manufacturer cannot be held liable for damage caused by non-compliance with these Warning and safety instructions.

Before using for the first time

- Clean the inside of the appliance and the accessories with warm water and a little washing up liquid and then dry with a soft cloth.

Important:

To ensure correct functioning of the appliance, let it stand for between ½ and 1 hour after transporting it to its final location before connecting it to the mains.

Switching on



- Press the On-Off button.

The temperature display will start flashing and the alarm will sound. The appliance starts cooling. The interior light will come on when the door is opened.

Switching off the alarm



- Press the alarm button.

The alarm stops. The temperature display display will continue to flash until the temperature range set has been reached.

Switching off

- Press the On-Off button.

The temperature display goes out and the cooling process is switched off. (If this does not happen, the safety lock is still engaged).

Safety lock

The safety lock can be engaged to prevent the temperature being changed or the appliance being switched off unintentionally.

To activate the safety lock



- Press and hold the locking button, until a beep is heard and the safety lock indicator light (person icon) in the temperature display lights up.

The appliance can now not be switched off and the temperature can not be adjusted until the lock has been de-activated.

De-activating the safety lock

- Press and hold the locking button, until the locking indicator light in the temperature display goes out.

The appliance can now be switched off at any time and the temperature adjusted.

The correct temperature and humidity

Temperature

Wine can be stored at a temperature of between 5 and 18 °C. The optimum temperature is around 10 - 12 °C. Most white wines can be consumed at this temperature. It is best to take red wine out of the storage unit approximately two hours before drinking. Open the wine to allow it to breathe and to develop its aroma. After two hours red wine will be at the correct temperature for drinking.

If wine is stored at a temperature above 22 °C it will mature too quickly. However, wine should not be stored below 5 °C for a long period of time as it will not mature fully at this low temperature.

Fluctuations in temperature put wine under stress and interrupt the maturing process. It is therefore very important to maintain a constant temperature.

An ambient room temperature of 3 to 43 °C will ensure that a constant temperature is maintained in the wine storage unit.

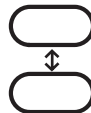
Safety feature

A thermostat prevents the temperature in the wine storage unit falling below 2 °C. If the external temperature should drop below this level, the heating in the appliance switches on automatically to keep the temperature inside as constant as possible.

Temperature selection

The temperature is set using the two buttons next to the temperature display.

Press the



- upper button: to raise the temperature (it gets warmer)
- lower button: to reduce the temperature (it gets colder)

The temperature being set will flash in the display.

When pressing the buttons the following are shown in the display:

- When first pressed the **last temperature selected** flashes.
- Each subsequent press of the button adjusts the temperature shown in 1 °C steps.
- Keeping the button pressed in adjusts the temperature continually.

Approx. 5 seconds after letting go of the button the current **actual** temperature in the unit is automatically shown.

The correct temperature and humidity

If you have adjusted the temperature, **wait for approx. 6 hours if the appliance is not very full and for approx. 24 hours if the appliance is full** before checking the temperature display as it will take this long for the display to show the accurate temperature of the unit. If the temperature displayed is too low or too high, then adjust the temperature once more.

Temperature range

The temperature can be adjusted from

5 °C to
22 °C.

Temperature display

During normal operation the temperature display on the control panel shows the temperature inside the appliance.

If the temperature inside the appliance is not within the range that the machine is able to display, i.e. if it is not between 2 and 30 °C, then only bars will light up in the temperature display.

The **temperature display flashes**, if

- a different temperature is being set,
- the temperature in the appliance is 4 °C too high or too low.

Temperature display brightness

The appliance is supplied with the brightness of the temperature display set as low as possible. However, if the door is opened, a setting changed or if the alarm is sounding, the temperature display will appear much brighter for approx. 1 minute.

The level of brightness can be adjusted to be:

- **Brighter:** by pressing the alarm button and whilst holding it in, press the upper button next to the temperature display.
- **Dimmer:** by pressing the alarm button and whilst holding it in, press the lower button next to the temperature display

Humidity level

It is very important to store wine in an atmosphere with a high humidity level (60 - 70 %) so that the corks remain moist on the outside. A refrigerator with its low humidity level is therefore not the best place to store wine. At a low humidity level corks dry out from the outside and so do not seal the bottles as tightly. This is why wine always has to be stored on its side so that the wine keeps the corks moist from the inside. Air entering the bottle will inevitably spoil the wine.

Ideal humidity levels can be maintained inside the appliance as long as the ambient room temperature is between 15 and 35 °C.

Useful tip: Before serving, stand the wine upright for at least two hours, or the entire day if possible, to allow any sediment to settle at the bottom of the bottle.

The correct temperature and humidity

Air filtering with the active charcoal filter and dynamic cooling

Wine keeps on maturing, depending on the surrounding conditions. The length of time for which wine can be kept in good condition will therefore depend not only on the temperature but also the air quality. The active charcoal filter and dynamic cooling system maintain the air quality in the appliance. The dynamic cooling system draws fresh air with a humidity level of 60 – 70 % from outside the appliance, in through the active charcoal filter and distributes it evenly around the interior.

Filtering the incoming air through the active charcoal filter ensures that all the air entering the appliance is fresh and free of dust and smells. In addition, the constant temperature which is evenly distributed throughout the unit enables you to store all your wine under exactly the same excellent conditions.

Replace the active charcoal filter with a new one once a year. Active charcoal filters are available from your dealer.

Any vibration or movement of the bottle can affect the wine by interrupting the natural respiration process and so impairing the taste.

As far as possible store bottles of the same type of wine beside each other on the same shelf. Removing a bottle of one type will then leave the other types undisturbed and will avoid the need to move different bottles around.

Shelves

The shelves can support a maximum load of up to 50 kg . The shelves slope slightly towards the rear so that bottles are stored securely and cannot slide out towards the door.

You can adjust the height of the shelves to suit your individual requirements. To do this:

- Open the door by approx. 90°. Pull the shelf out towards the front and replace it in another position.

Tip:

If you want the shelves spaced evenly apart, it is best to start from the middle. This is because there isn't a shelf runner at the height of the door lock.

Descriptive labels

To identify your wine quickly and easily use the labels supplied. They can be placed on the wooden decor strips or on the inner door.

Maximum capacity

The following data was obtained using standard Bordeaux wine bottles and the number of shelves supplied with the appliance.

- KWL 1090 S: up to 115 bottles
- KWL 1630 S: up to 169 bottles
- KWL 1900 S: up to 196 bottles

Alarm

Your appliance has been fitted with a warning system which ensures that the temperature cannot rise or fall unnoticed and impair the wine. The alarm system is always active. It does not need to be activated separately.

Temperature alarm

An alarm will sound if the temperature in the appliance rises approx. 4 °C above or falls approx. 4 °C below the set temperature. The temperature display will flash at the same time.

The alarm will sound and the temperature display will flash:

- when you switch the appliance on and for as long as the temperature differs as described above from the temperature set.
- when there has been a lengthy interruption to the power supply.

Door alarm

The alarm will sound if the door is left open for longer than 3 minutes.

Switching the alarm tone off early

Once the set temperature has been reached in the appliance the alarm tone stops and the temperature is displayed constantly. However, if the noise disturbs you, you can switch the alarm tone off before this if you wish.



- Press the alarm button.

The alarm stops. The temperature display continues to flash, until the door has been shut again or the set temperature has been reached. It then lights up constantly and the alarm system will be fully active once more.

Condensate and frost can build up on the back wall of the appliance whilst it is in use. These are automatically removed and defrosted by the appliance.

The condensate is drained away via a channel and drain hole into an evaporation system at the back of the appliance.

Ensure that the condensate channel and drain hole are never blocked so that condensate can flow away without hindrance.

Cleaning and care

Never use cleaning agents containing abrasive substances such as sand, soda, acids or chemical solvents.

"Non-abrasive" cleaning agents are also unsuitable as they can cause matt areas to appear.

Make sure that no water can penetrate into the electronic unit or into the light.

Do not let water get into the drainage channel and drain hole when cleaning.

Never use steam cleaning apparatus to clean the appliance. The steam could attack the electrical components and cause a short circuit.

The data plate located inside the appliance must not be removed. It contains information which is required in the event of a service call.

Before cleaning

- Switch off the appliance and remove the plug. (Do not pull on the cable, only on the plug).
- Take out any removable parts e.g. shelves for cleaning.

Cleaning the outer casing, the interior and accessories

Use lukewarm water and a little washing up liquid. Accessories and shelves should be hand washed only.

- Clean the condensate channel and drain hole frequently, so that condensate can drain away unhindered. Use a straw or similar to clear the drain if necessary.
- After cleaning, wipe the outer casing, the interior and accessories with a damp cloth and dry with a soft cloth. Leave the door open to air the appliance for a short while.

E-Cloth

- A microfibre "E-Cloth" is available from the Miele UK Spare Parts Department, Part Number 980 13530, which is suitable for cleaning surfaces such as stainless steel, glass, plastic and chrome without the use of chemicals.

Ventilation gaps

- The ventilation gaps should be cleaned on a regular basis with a brush or vacuum cleaner. A build up of dust will increase the appliance's energy consumption.

Door seals

Do not use any oils or grease on the door seals as these will cause the seals to deteriorate and become porous with time.

The door seals should be cleaned regularly with clean water and then wiped dry with a soft cloth.

Metal grille at the back of the appliance

The metal grille at the back of the appliance (heat exchanger) should be dusted at least once a year. A build up of dust will increase the energy consumption of the appliance.

When cleaning the grille, make sure that the pipework and other components do not get broken or damaged in any way.

Active charcoal filter

Replace the active charcoal filter once a year. The filters are available from your dealer.

- To remove the active charcoal filter turn it anti-clockwise and pull it out.
- To replace, insert the filter and turn it firmly clockwise.

After cleaning

- Replace all shelves and accessories in the appliance.
- Plug in the appliance and switch it on.

Problem solving guide

Repairs to electrical appliances should only be carried out by a suitably qualified and competent person in accordance with local and national safety regulations. Unauthorised repairs could be dangerous.

The following can be corrected without contacting the Miele Service Department:

What to do if . . .

. . . strange noises can be heard after switching on the appliance, especially after it has just been installed.

- Check to see whether any pieces of furniture next to the appliance are vibrating whilst the appliance is in operation.

Switch the appliance off then:

- Check whether the appliance is aligned correctly.
- Check whether all parts at the rear of the appliance are free from hindrance. Remove any hindrance.
- Check that the cable clips have been unclipped from the back of the appliance before installation. They could vibrate when the appliance is operating.
- Are all removable parts securely located in the appliance?

Remember that the noise of the compressor and the coolant circulating in the system is unavoidable.

. . . the appliance does not get cool.

- Check that the appliance is switched on. The temperature display must be lit up.
- Check that the plug is correctly inserted in the socket.
- Check that the fuse is not defective and that the mains fuse has not blown. If it has contact the Miele Service Department

. . . the appliance is switching in too frequently and for too long.

- Check whether ventilation gaps have been covered over or become too dusty.
- Check whether, the metal grille (heat exchanger) at the rear of the appliance has become too dusty.
- The appliance door has been opened too frequently.
- Check that the door closes properly.

. . . the alarm sounds and the temperature display flashes.

- Check whether the door has been left open for longer than 3 minutes.

If this is not the case, then the temperature has risen higher than the temperature set due to:

- the door being opened too often.
- a blocked ventilation gap.
- a lengthy interruption to the power supply.

Once the problem has been resolved the temperature display will light up constantly and the alarm will stop.

... a bar lights up/flashes in the temperature display.

Only temperatures within the range the machine can display will be shown. If the temperature is not within this range, a bar will be displayed instead.

... "F1", "F5", "F8" or "FU" appears in the temperature display.

There is a technical fault. Call the Miele Service Department.

... the appliance will not switch off.

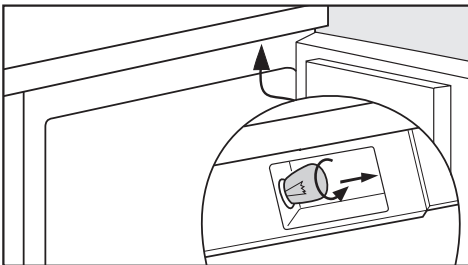
The safety lock has been engaged.

... the interior lighting is no longer working.

- Has the door been open for a long time? The lighting switches off automatically after approx. 15 minutes.

If not, then the bulb is defective.

- Remove the plug from the socket or remove the household mains fuse.



- Unscrew the bulb and replace it with a new one.

Bulb specification:

220 – 240 V, max. 15 W, E 14 fitting

- Screw the bulb into the fitting.

If you still cannot remedy the fault having followed these suggestions, then contact the Miele Service Department.

To prevent unnecessary loss of temperature it is advisable not to open the door whilst waiting for the appliance to be serviced.

After Sales Service

In the event of a fault which you cannot correct yourself, or if the appliance is under guarantee please contact:

- Your Miele Dealer
- or
- The Miele Service Department
(see back cover for address).

When contacting the Service Department, please quote the model and serial number of your appliance, both of which are shown on the data plate.

Please note that telephone calls may be monitored and recorded to improve our service.

Electrical connection U.K.

The appliance is supplied with a mains cable and moulded plug ready for connection to an a.c. single phase 220 – 240 V 50 Hz supply.
The fuse rating is 13 amps.

All electrical work should be carried out by a suitably qualified and competent person in accordance with local and national safety regulations. Connection should be made via a fused plug and suitable switched socket which is easily accessible. For extra safety it is advisable to install a residual current device (RCD) with a trip current of 30 mA (in accordance with DIN VDE 0664, VDE 0100, Section 739).

Do not connect the appliance to the mains electricity supply by an extension lead. Extension leads do not guarantee the required safety of the appliance (e.g. danger of overheating).

The appliance must not be connected to an inverter and must not be used with a plug adapter as these can cause damage to the appliance's electronic unit.

Important

The wires in the mains lead are coloured in accordance with the following code:

Green/yellow	= earth
Blue	= neutral
Brown	= live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured green and yellow must be connected to the terminal in the plug which is marked with the letter E or by the earth symbol (\perp) or coloured green or green and yellow.

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

WARNING
THIS APPLIANCE MUST BE
EARTHED

Electrical connection

Non-rewireable plugs (BS 1363)

If this machine is fitted with a non-rewireable plug, the following information applies:

If the socket outlets are not suitable for the plug supplied with this product, it must be cut off and an appropriate plug fitted.

The fuse carrier and the fuse should be removed from the old plug and disposed of. The plug cut from the flexible cord should then be disposed of and on no account be inserted into any socket elsewhere in the house (electric shock hazard).

The fuse cover must be re-fitted when changing the fuse, and if the fuse cover is lost, the plug must not be used until a suitable replacement is obtained. The colour of the correct replacement cover is that of the coloured insert in the base of the plug, or the colour that is embossed in words in the base of the plug (as applicable to the design of the plug fitted).

The correct fuse rating of the replacement fuses that are ASTA approved to BS 1362 should be fitted. Replacement fuse covers may be purchased from your local electrical supplier, or Miele Service agent.

Do not place any appliance which gives off heat, such as a toaster or microwave oven on top of this appliance, as this would increase the appliance's energy consumption.

Location

The appliance should be installed in a dry, well ventilated room.

The room temperature should not go above or below the climate range for which the appliance is designed. The higher the ambient temperature of the room the more energy the appliance requires to operate. It should not be installed where it is exposed to direct sunlight or directly adjacent to a heat-producing appliance such as an oven or a radiator.

Climate range

The appliance is designed for a particular climate range (ambient room temperature), and should not be used outside this range. The climate range of this appliance is stated on the data plate inside the appliance.

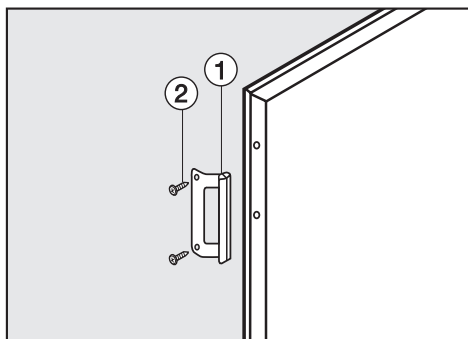
Climate range	Ambient room temperature
SN	+10 °C to +32 °C
N	+16 °C to +32 °C
ST	+18 °C to +38 °C
T	+18 °C to +43 °C

Ventilation

The rear of the appliance can be placed directly against a wall. However, to ensure sufficient ventilation the ventilation gaps must not be covered over. The air inlet and outlet must not be covered or blocked in any way. They should be dusted on a regular basis.

Fitting the handle

If the door hinging does not require changing the handle should now be fitted to the door.



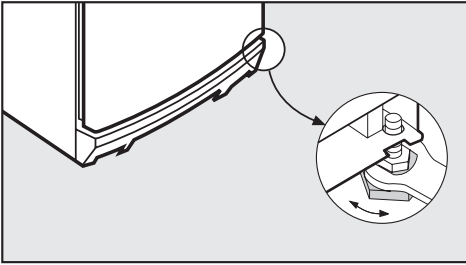
- Secure handle ① to the holes in the door using the screws marked ②.

Installation

Installation

- Remove any cable clips from the rear of the appliance.
- Check that all parts at the rear of the appliance are unhindered. Remove any hindrance.
- Carefully push the appliance into position.

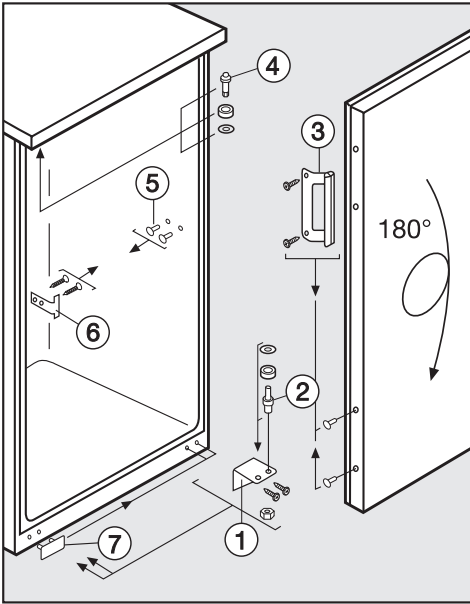
Align the appliance



- To align the appliance adjust the feet using the spanner supplied.

Changing the door hinging

The appliance is supplied right hand hinged. If left hand door hinging is required follow the instructions below.



- Remove plugs ⑤ and unscrew the bracket ⑥. Refit the bracket and plugs on the opposite side.
- Turn the door around and fit the door handle ③.
- Remove cover ⑦ and use it to cover the now empty holes on the opposite side.
- Hang the door on the upper hinge pin and close the door.
- Fit the hinge bracket in the lower door bearing. Then screw it securely to the appliance plinth.

Use the long slots in the hinge bracket to align the door.

- Close the appliance door, unscrew the hinge bracket ①, and take the door off.
- Take the hinge pin ② out of the hinge bracket, then refit it in the second hole in the hinge bracket. (Use the spanner supplied to unscrew and re-fit the hinge pin).
- Use the spanner supplied to unscrew the upper hinge pin ④ and refit it on the other side.



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M.-Nr. 05 454 570 / V02

KWL 1090 S, KWL 1630 S, KWL 1900 S

This paper consists of cellulose which has been bleached without the use of chlorine.